Index of Claims

| Application No. | Applicant(s) |  |
|-----------------|--------------|--|
| 09/945,369      | TJONG ET AL. |  |
| Examiner        | Art Unit     |  |
| Joshua Joo      | 2154         |  |

|    | 1 | Rejected |
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| [: | = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  |
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| _ | Interference |

| A | Appeal   |
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| 0 | Objected |

| The color of the    | Cla      | Claim Date |          |          |          |              |          | Cla          | Date         |           |   |               |     |       | [               | Cl       | Date    |              |                         |        |          |                 |      |     |        |                 |   |          |           |   |          |                 |               |          |
|---|----------|------------|----------|----------|----------|--------------|----------|--------------|--------------|-----------|---|---------------|-----|-------|-----------------|----------|---------|--------------|-------------------------|--------|----------|-----------------|------|-----|--------|-----------------|---|----------|-----------|---|----------|-----------------|---------------|----------|
| 1    V  | -        | nal        | 92       |          |          |              |          |              |              |           |   | 4 2           | E E | nal   |                 |          |         |              |                         |        |          |                 | ٠,,٠ |     | nal    |                 |   |          |           |   |          |                 |               |          |
| 1    V  | Fig      | Origi      | 3/11/    |          |          |              |          |              |              |           |   | a je<br>La se | Fin | Origi |                 |          |         |              |                         |        |          |                 |      | Fiñ | Origii |                 |   |          |           |   |          |                 |               |          |
| S2  |          | ļ          |          | H        |          | H            |          | _            | _            | Н         |   | •             |     |       | $\dashv$        | _        | $\perp$ | $\downarrow$ | +                       | ┿      | L        | Н               |      |     |        |                 |   | _        |           | _ |          | _               | $\dashv$      | _        |
| 3   |          |            |          | -        |          | -            | -        | ├—           | ┝            | Н         |   |               |     |       | $\dashv$        | +        | +-      | +-           | ╁                       | ╁      | $\vdash$ | Н               | 5    |     |        | $\vdash$        | _ | -        |           |   |          |                 | $\dashv$      | $\dashv$ |
| 4   V   54   104   105     5   V   55   105   106   107     8   V   56   107   108   107   108   108   109   100   100   100   100   100   100   100   100   100   100   100    100   |          |            |          | H        | $\vdash$ |              |          | _            | ├            | Н         |   |               |     |       | $\vdash$        | +        | +       | ╁            | +                       | +      |          | Н               | ŀ    |     | 102    | $\vdash$        |   | Н        |           |   | -        |                 | $\dashv$      | ⊣        |
| 5   |          | _          | -        | $\vdash$ | _        |              |          | $\vdash$     |              | Н         |   |               |     |       | $\vdash$        | +        | +       | +            | +                       | +      | Н        | Н               | :    |     |        | Н               | - |          | -         |   |          |                 | $\dashv$      |          |
| 6   |          |            |          | H        |          | $\vdash$     |          | $\vdash$     | $\vdash$     | Н         |   |               |     | 55    | H               | $\top$   | +       | +            | +                       | +      | $\vdash$ | H               | . :  |     | 105    | Н               |   |          | $\neg$    |   |          | $\dashv$        | $\dashv$      | $\dashv$ |
| 7   |          |            | _        | $\vdash$ | _        | -            | _        | -            | _            |           |   |               |     |       | $\vdash$        | $\dashv$ | +       | +            | +                       | T      | $\vdash$ | Н               | ı    |     | 106    |                 |   |          | _         |   | $\neg$   | _               | $\dashv$      | $\dashv$ |
| S   |          | _          | _        | H        |          |              |          | ┢            |              | П         |   |               |     |       |                 | $\top$   | $\top$  | +            | 十                       | $\top$ | Н        | П               |      |     |        | Н               |   |          |           |   |          |                 | $\dashv$      | ┪        |
| 9   V   |          |            | _        |          |          |              |          |              |              | П         |   | -             |     |       |                 | 十        | $\top$  | $\top$       | _                       | T      | H        | П               |      |     |        |                 |   |          |           |   |          | Ì               | $\dashv$      | ┪        |
| 10  |          |            | V        |          |          |              |          |              | _            |           |   |               |     |       |                 |          | _       | 1            | 1                       | 1      |          | П               |      |     | 109    | П               |   |          |           |   |          |                 | ヿ             | ヿ        |
| 111   V   |          | 10         | 1        | Г        |          |              |          |              |              |           |   |               |     |       | $\Box$          |          |         | ┰            | T                       | ┪      |          | П               |      |     |        |                 |   |          |           |   |          |                 | $\neg$        | $\neg$   |
| 13   V  |          | 11         | 1        |          |          | ·            |          |              |              |           |   | 7             |     | 61    |                 | 7        |         | Τ            | T                       | T      |          |                 |      |     | 111    | П               |   | П        |           |   |          |                 | $\neg$        | コ        |
| 13   V  |          |            | V        |          |          |              |          |              |              |           |   | in i          |     |       |                 |          |         | $\top$       |                         |        |          |                 | 4    |     | 112    |                 |   |          |           |   |          |                 |               |          |
| 15  |          |            |          |          |          |              |          |              |              |           |   |               |     |       |                 |          |         |              |                         |        |          |                 |      |     | 113    |                 |   |          |           |   |          |                 |               |          |
| 16  |          |            | 1        |          |          |              |          |              |              |           |   |               |     |       |                 |          |         |              |                         |        |          |                 |      |     | 114    |                 |   |          |           |   |          |                 |               |          |
| 17  |          |            | L        | L        | <u> </u> | L            |          | _            |              | Ш         |   |               |     |       |                 |          |         | 上            | ┸                       | ╙      |          | Ш               |      |     | 115    |                 |   |          |           |   |          |                 | _             |          |
| 18  |          |            |          |          | <u> </u> |              |          |              |              |           |   |               |     |       | Ш               |          | 丄       | ┸            | _                       | _      |          | Ш               |      |     |        | Ш               |   |          |           |   |          |                 | _             |          |
| 19  |          |            | L        |          |          |              |          | _            |              |           |   | 1.            |     |       |                 | _        | $\perp$ | ┸            | _                       | 4_     |          | Щ               |      |     |        |                 |   |          |           |   |          |                 | _             | _        |
| 19  |          |            |          | <u> </u> |          |              |          |              | _            |           |   | 4.            |     |       |                 |          |         | 4            | 4                       | _      |          | Щ               |      |     |        |                 |   |          |           |   |          |                 | _             | _        |
| The content of the     |          |            | _        | _        |          | L            |          | _            | ļ.,          |           |   |               |     |       | _               | $\bot$   | _       | $\bot$       | +                       | $\bot$ | Ш        | Щ               | "    |     |        | Ш               |   |          |           |   |          |                 | $\dashv$      | _        |
| 22     72     122     123     123     124     124     124     124     124     124     125     125     125     126     125     126     127     127     128     128     128     128     128     128     128     128     129     129     129     129     130     130     130     130     131     131     132     132     132     133     134     134     135     136     136     137     137     138     138     139     140     141     140     141     141     142     143     144     144     144     144     144   |          |            | _        |          |          |              |          | _            |              |           |   |               |     |       | $\vdash$        | _        | +       | 4-           |                         |        |          | Щ               |      |     |        |                 |   |          |           |   |          |                 | $\dashv$      | _        |
| 23   73   74   123   124   124   125   125   125   125   126   126   126   126   127   127   127   128   128   128   129   129   129   129   130   130   130   130   131   131   131   131   131   132   133<   |          | 21         | <u> </u> | <u> </u> |          | <u> </u>     | _        | _            | <u> </u>     | _         |   | 1             |     |       | $\vdash$        | _        | -       | +            | +                       | +      |          | Щ               |      |     |        | $\vdash$        |   |          |           |   |          |                 | $\dashv$      | _        |
| Text  |          |            | <u> </u> | <u> </u> |          | _            | _        | _            |              | _         |   |               |     |       |                 | -        | +       | +            | +                       | +-     |          | Н               | 7    |     |        | Н               |   |          |           |   | Ш        |                 | $\dashv$      | _        |
| 75  |          |            | ┢        | ┝        | <u> </u> | <u> </u>     |          | ┝            | ┢            | Н         |   |               |     |       | $\dashv$        | -        |         | +            | +                       | +      | $\vdash$ | Н               |      |     | 123    | Н               |   |          | $\vdash$  |   | $\vdash$ | $\dashv$        | $\dashv$      | $\dashv$ |
| 26     76     126       27     77     127       28     78     128       29     79     129       30     80     130       31     81     131       32 √     83     132       33 √     83     133       34 √     84     134       35 √     85     135       36 √     86     136       37 √     87     137       38 √     88     138       39 √     89     139       40 √     90     140       41 √     91     141       42 √     92     142       43 √     94     144       45     95     145       46     96     146       47     97     147       48     98     148       49     99     149   |          |            | ┝        | ├        |          | _            | -        | -            | -            | -         | _ | 4 :           |     |       |                 | $\dashv$ | +       | +            | +                       | +-     | -        | $\vdash\vdash$  |      |     | 124    | Н               |   |          |           |   |          |                 | -             | $\dashv$ |
| 127   |          |            | ├        | <u> </u> |          | <u> </u>     | _        | <del> </del> | _            | $\vdash$  |   | .1            |     |       | $\dashv$        | +        | +       | ┿            | ╁                       | ┿      | $\vdash$ | $\vdash$        | : 3  |     | 120    | Н               |   |          |           |   |          | -               | +             | -        |
| 28   78   128     29   80   129     30   80   130     81   131     32 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \   |          | 27         |          | -        |          | -            |          | ┝            | -            | Н         |   | : 1           |     |       | $\dashv$        | +        |         | ╁            | +                       | +-     | -        | Н               |      |     | 120    | $\vdash$        |   |          |           |   | Н        |                 | ᆉ             | _        |
| 79  |          |            | -        | $\vdash$ |          | -            |          | -            |              | H         |   |               |     |       | $\dashv$        | +        | +       | ╁            | ╁                       | +      | -        | Н               | .    |     | 128    | H               |   |          | $\dashv$  |   | -        | $\dashv$        | ᆉ             | -        |
| 30  |          |            | $\vdash$ |          |          |              | -        | -            |              | -         |   |               |     |       | $\vdash$        | +        | +       | +            | +                       | +      | Н        | Н               |      |     |        | $\vdash$        | - |          |           | _ | $\vdash$ | $\dashv$        | $\dashv$      | -        |
| 31  |          |            | $\vdash$ |          |          |              |          | $\vdash$     |              | Н         |   | 2             |     |       | $\dashv$        |          | +-      | +            | ╁                       | +      | H        | Н               |      |     | 130    | H               |   |          |           |   |          | -               | $\dashv$      |          |
| 32   V  |          | 31         |          |          |          |              |          | $\vdash$     |              | Н         |   | .             |     |       | $\vdash$        | +        | +       | ╁            | +                       | ╁╌     |          | Н               |      |     | 131    | Н               |   | Н        |           |   | Н        |                 | $\dashv$      |          |
| 33  |          |            | V        |          |          | _            |          |              |              | $\vdash$  |   |               |     |       | $\vdash$        | $\dashv$ | $\top$  | ┪            | $\top$                  | $\top$ |          | М               |      |     |        |                 |   |          |           |   |          | $\neg$          | $\dashv$      |          |
| 34   V  |          |            |          | T        |          |              |          |              |              | П         |   |               |     |       | $\dashv$        | ┪        | _       | 1            | +                       | 1      |          | П               |      |     | 133    |                 |   |          |           |   |          |                 | ヿ             |          |
| 35   \land  |          |            |          |          |          |              |          |              |              |           |   |               |     | 84    | $\Box$          | $\neg$   | $\top$  | T            |                         | 1      | П        | М               | ,    |     | 134    |                 |   |          |           |   |          |                 | $\Box$        |          |
| 36   \forall  |          | 35         |          |          |          |              |          |              |              |           |   |               |     | 85    |                 |          |         | Τ            |                         | $I^-$  |          |                 |      |     | 135    |                 |   |          |           |   |          |                 |               |          |
| 38  |          |            | V        |          |          |              |          |              |              |           |   |               |     |       |                 | floor    | Ī       | I            | $oldsymbol{\mathbb{I}}$ | I      |          |                 |      |     | 136    |                 |   |          |           |   |          |                 |               |          |
| 38   \  |          |            |          |          |          |              |          |              |              |           |   |               |     |       |                 |          |         | $oxed{\Box}$ |                         |        |          |                 |      |     | 137    |                 |   |          |           |   |          |                 |               |          |
| 39   V  |          |            |          |          |          |              |          |              |              |           |   |               |     |       |                 |          |         | L            | I                       |        |          |                 |      |     | 138    | Ш               |   |          |           |   |          |                 |               |          |
| 41  |          |            |          |          | <u> </u> | <u> </u>     |          | _            | _            |           |   |               |     |       |                 |          |         | $\perp$      | $\perp$                 | 1_     | Ш        | Ш               |      |     |        | Ш               |   |          |           |   | Ш        | $\Box$          | ightharpoonup |          |
| 42 √ 92   43 √ 93   44 √ 94   45 95   46 96   47 97   48 98   49 99   |          | 40         |          |          | L        |              | Ш        |              | _            | Ш         |   | ·             |     | 90    | $\sqcup$        | _        |         | 4            | _                       | _      |          | Щ               | 91   |     | 140    | Ш               |   |          |           |   |          |                 | $\dashv$      |          |
| 43 √ 93   44 √ 94   45 95   46 96   47 97   48 98   49 99   |          |            |          | <u> </u> | <u> </u> |              | Щ        | <u> </u>     | _            | $\square$ |   |               |     | 91    | $\sqcup$        | $\bot$   | $\bot$  | +            | $\perp$                 | 1      | Ш        | Щ               |      |     | 141    | Ш               |   | Ш        |           |   |          |                 | _             | _        |
| 44 √ 94   45 95   46 96   47 97   48 98   49 99   |          |            |          |          |          | Щ            | _        | <u> </u>     | _            | Ш         |   |               |     |       | $\sqcup$        | _        | _ _     | 4            | 1                       | 1      | <u> </u> | $\sqcup$        |      |     |        | $\sqcup$        |   | Щ        |           | _ | Щ        |                 | $\dashv$      | $\dashv$ |
| 45 95   46 96   47 97   48 98   49 99   |          | 43         |          | <u> </u> | <u> </u> | <u> </u>     | _        |              | <del> </del> | $\vdash$  |   |               |     |       | $\dashv$        | -        | +       | +-           | +-                      | +-     | _        | $\vdash \vdash$ |      |     | 143    |                 |   | Щ        | -         | _ | Щ        | -               | $\dashv$      |          |
| 46 96   47 97   48 98   49 148  |          |            | 1        | $\vdash$ |          | $\vdash$     | H        | <u> </u>     | <u> </u>     | $\vdash$  |   | . !           |     |       | $\vdash \vdash$ | +        | +       | +            | +-                      | +      |          | $\vdash \vdash$ |      |     |        | $\vdash \vdash$ |   | H        |           |   |          | $\sqcup$        | $\dashv$      |          |
| 47  |          |            | -        | <u> </u> | <u> </u> | <del> </del> | <u> </u> | <del> </del> | ├—           | $\vdash$  |   |               |     |       | $\vdash \vdash$ | +        | +       | +            | +                       | +      | ├        |                 | . 1  |     |        | $\vdash$        |   |          | Н         | _ | _        | $\vdash$        | $\dashv$      |          |
| 48 98   49 148   149 149  |          | 40         | $\vdash$ | H        |          | <u> </u>     | $\vdash$ | -            | $\vdash$     | $\vdash$  | _ |               |     |       | $\vdash$        | +        | +       | +            | +                       | +      | -        | $\vdash$        |      |     |        | -               | _ | $\vdash$ | $\dashv$  |   | $\vdash$ | $\vdash \vdash$ | $\dashv$      | $\dashv$ |
| 49 99 149 149   | <u> </u> |            | ├-       | -        | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$  | - |               |     |       | $\vdash$        | +        | +       | +            | +                       | +-     | -        | Н               |      |     |        | $\vdash$        |   | $\vdash$ | $\vdash$  |   | -        | -               | $\dashv$      | ႕        |
| 50   15 |          | 49         | -        | $\vdash$ |          | _            | -        | -            | $\vdash$     | Н         | _ | -             |     | 90    | $\vdash \vdash$ | +        |         | ╁            | +                       | ╁╌     | -        | $\vdash$        |      |     |        | $\vdash$        |   | $\vdash$ |           | _ |          | $\vdash$        | $\dashv$      | $\dashv$ |
|   | $\vdash$ |            | -        | ┢═       | _        |              | $\vdash$ |              |              | Н         |   |               |     | 100   | $\vdash$        | $\dashv$ | +       | +            | +                       | +      | $\vdash$ | $\vdash$        |      |     |        | H               |   |          | $\exists$ |   |          | $\vdash$        | $\dashv$      | $\neg$   |